

Tentative Program  
THIRD FASEB Summer Research Conference  
Physiology and Pathophysiology of the Splanchnic Circulation  
July 26 - 31, 1992, Copper Mountain, Colorado  
Chairman: C. C. Chou, Vice-chairman: P. Kvietys

Session I.                      Chemical Modulators of Gastrointestinal Blood Flow  
(Chairman: C.C. Chou)

1. H.G. Bohlen:      The Role of Oxygen and Adenosine
2. P. Kadowitz:     Endothelium-Derived Relaxing Factor/Nitric Oxide
3. J. Wallace:      Endothelin and Eicosanoids
4. G. Bulkley:      Circulating Vasoconstrictors
5. O. Hottenstein: Peptide Neurotransmitters

Session II.                    Interactions Between Neural and Local Mechanisms of  
Vasoregulation      (Chairman: E. D. Jacobson)

1. A.P. Shepherd:   Mechanisms of Local-Neural Interactions in the Intestinal  
Circulation
2. J.E. Faber:      Alpha-1 and Alpha-2 Adrenoceptor Distribution, Gene  
Expression and Neural-Myogenic Interaction
3. J.H. Lombard:    Interactions Between Local and Neural Controllers in  
Excitation-Contraction Coupling
4. V.M. Miller:     Endothelial Vasoactive Factors and Neurogenic Vascular  
Regulation

Session III.                  Molecular and Cellular Basis of Microvascular Functions  
(Chairman: H. J. Granger)

1. M. Davis:        Stretch-Activated Ion Channels and the Myogenic Responses in  
Arterioles
2. W. Schilling:    Transduction of Shear Stimuli by Single Endothelial Cells
3. F-R. Curry:      Imaging Cell Calcium and Macromolecular Transport in Single  
Exchange Microvessels
4. S. Silverstein: Fluid and Solute Exchange Across Endothelial Monolayers in  
Culture
5. J. Diana:        Intracellular Second Messengers and the Modulation of  
Microvascular Permeability.

Session IV.                  The Microvasculature and Gastrointestinal Mucosal Injury:  
Role of Blood Flow and Vascular Permeability  
(Chairman: A.E. Taylor)

1. P. Guth:         Role of Blood Flow in Gastric Mucosal Injury and Repair
2. S. Szabo:        Role of Vascular Permeability in Gastric Mucosal Injury and  
Repair
3. P. Holzer:       Role of Sensory Nerves in Gastrointestinal Blood Flow  
Regulation and Mucosal Injury